The Brain and Spine Institute–ICM, set up in Paris, is a new model in neuroscience research. The Institute develops innovative programs to promote excellence in education in the field of nervous system diseases. Ambitious and interdisciplinary programs are great opportunities for the future developers of innovative solutions to the specific challenges of neuroscience. These programs are dedicated to French and international participants, and were implemented to develop training and expertise as well as to increase the Institute’s visibility and attractiveness.

The Collège des Ingénieurs is a European higher education management institution for young engineers and scientists. The 10-month MBA program is based on education and action, helps students understand value creation in business and acquire high-level professional experience through a junior consulting assignment. “Collégiens” do not pay any school fees, and receive a stipend. The “Science & Management” doctoral program created in partnership with Pierre and Marie Curie University (Sorbonne) offers the opportunity to be part of a doctoral program in Science as well as the Collège des Ingénieurs MBA at the same time.
### 2017 SUMMER SCHOOL PROGRAM

**Monday 6th September**

- **8:30 – 9:30** Welcoming and registration/Coffee
- **9:30 – 10:00** Introduction of the Summer School
  - Alexis Brice · J-Y Delattre · Bruno Boulay

**DEFINITION OF DEPRESSION**

- **10:00 – 10:30** Epidemiology
  - Jean-Yves Rotgé
- **10:30 – 11:00** Symptoms and clinical aspects
  - Alexandra Colin
- **11:00 – 12:00** Physiopathology
  - Sylvie Rabot
  - Pre-clinic evaluation of drug
  - Denis David
  - Coffee break and networking

**THERAPEUTIC ASPECTS**

- **12:15 – 12:45** Antidepressant Treatments
  - Bruno Aouizerate
- **12:45 – 13:15** Physical Treatments
  - Bruno Millet
- **13:15 – 13:45** Psychotherapies
  - Charlotte Soumet Leman
  - Lunch break and networking

**CURRENT CHALLENGES IN DEPRESSION**

- **16:15 – 16:45** Depression and cardiovascular diseases
  - Cédric Lemogne
- **16:45 – 17:15** Placebo effects in depression
  - Liane Schmidt
- **17:15 – 17:45** Discussion - Questions

- **18:00 – 21:00** WELCOME RECEPTION
  - Brief self-introduction of the participants and working group display
  - Alexandra Auffret · Clarisse Marie-Luce · Bruno Boulay

**Tuesday 5th September**

- **ENTREPRENEURSHIP**
  - **08:30 – 10:30** Entrepreneurship training
    - Paul Fifield
    - Coffee break
  - **10:45 – 12:00** Entrepreneurship training
    - Paul Fifield
    - Lunch break

- **ECONOMIC ASPECTS**
  - **13:00 – 13:45** Disability and health economic aspects
    - Isabelle Durand Zaleski

- **CONFERENCES**
  - **13:45 – 14:30** Brain imaging biomarker
    - Philippe Fossati
    - Coffee break
  - **14:45 – 15:30** Suicide and depression
    - Vincent Gratsac
  - **15:30 – 16:15** Process to product a medical device: NeuroNavigation
    - Vincent Gratsac
  - **16:15 – 16:30** Discussion - Questions

**PRESENTATION OF INNOVATIVE PROJECTS**

- **16:30 – 17:15** Lucimed: Phototherapy glasses
  - Eric Delloye

**TESTIMONY**

- **17:15 – 18:00** Patient Association
  - France Depression

**PRESENTATION OF INNOVATIVE PROJECTS WITHIN ICM**

- **18:00 – 18:45** iPEPS company: AdScientiam
  - Saad Zina · Daniel Gérard · Matthieu Brancher · Térence Brochu · Liouma Tokitsu

**Wednesday 6th September**

- **BOOT CAMP START**
  - Project development (group of 6 participants)
    - with coach supervision
    - P. Mahrer and B. Boulay

**Thursday 7th September**

- **BOOT CAMP START: COACH SUPERVISION**
  - Project development with coach supervision
    - P. Mahrer and B. Boulay
  - **08:30 – 12:00** Working in groups
    - Lunch break
  - **13:00 – 15:45** Working in groups

**ETHIC/REGULATORY CONFERENCE**

- **16:00 – 16:45** Data analysis- ethic and regulatory aspects
  - Gauthier Chassang
  - Coffee break

**VISIT AND OUTSIDE EVENT**

- **17:00 – 20:30**Fab lab visit: Usine IO

**Friday 8th September**

- **BOOT CAMP START: COACH SUPERVISION**
  - Project development with coach supervision
    - P. Mahrer and B. Boulay
  - **08:30 – 12:45** Working in groups
    - Lunch break
  - **13:00 – 15:45** Working in groups

**PROJECT PRESENTATION**

- **14:00 – 17:30** Project submission to the summer school jury (20 minutes/project)
- **17:30 – 18:00** Jury deliberation
  - F. Fossati · F. Lescure · B. Boulay
  - A. Sarkar, M. Diawara · A. Génin · A. Auffret

- **18:00 – 21:00** AWARD CEREMONY